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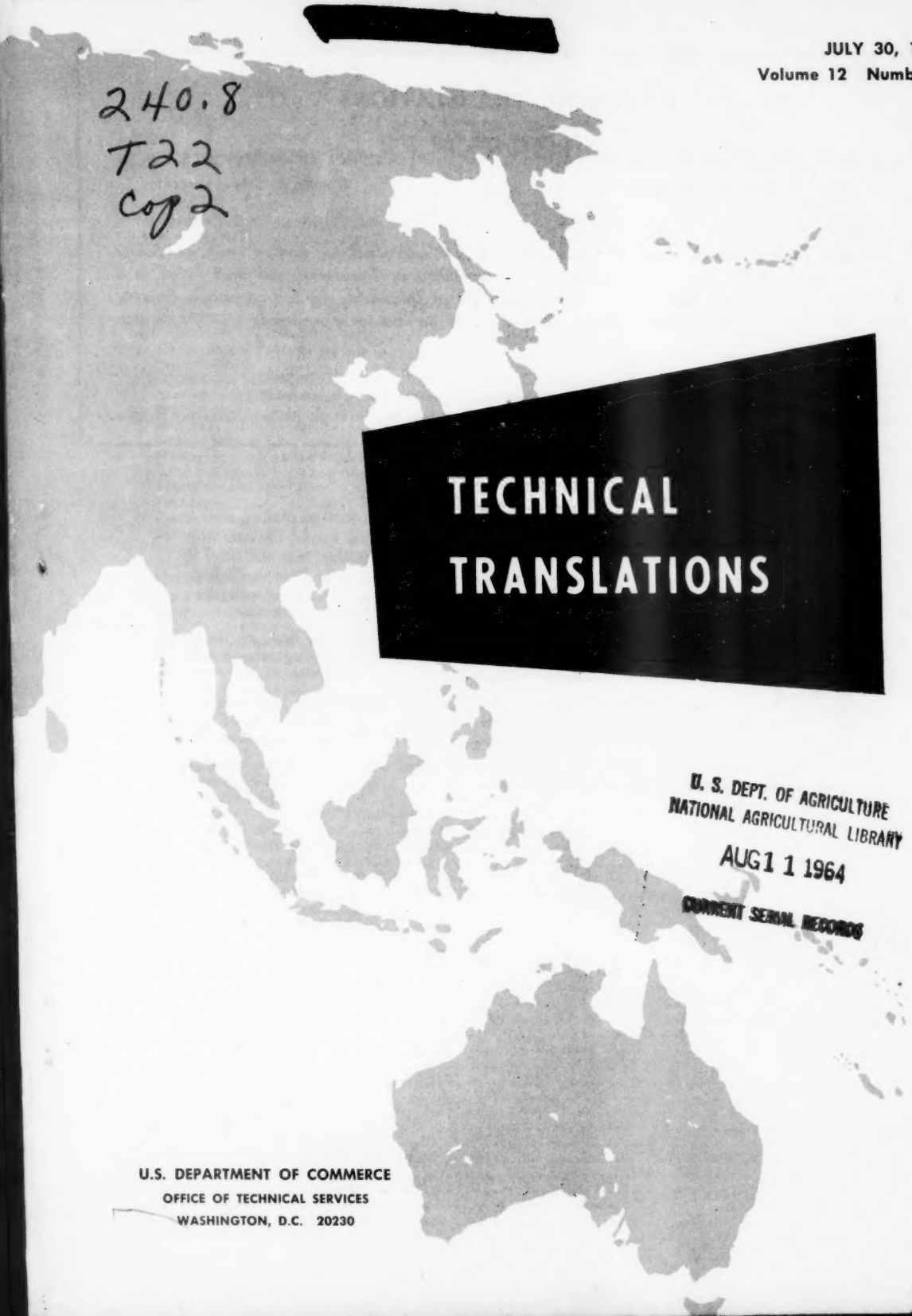
JULY 30, 1964
Volume 12 Number 2



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TECHNICAL TRANSLATIONS

U.S. DEPARTMENT OF COMMERCE
Luther H. Hodges, Secretary

OFFICE OF TECHNICAL SERVICES
Donald A. Schon, Director

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HOW TO ORDER TRANSLATIONS

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References to sources of original text are given as they appear on the translation, with sufficient editing to assure uniformity in citations.

Some of the translation notes for individual translations have been marked with the symbol (#) preceding the name of the journal. This symbol indicates that the particular journal is also translated cover-to-cover.

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SYMBOLS FOR SOURCES OF TRANSLATIONS

AC
A. Capelo
P. O. Box 46354
Hollywood,
California 90046

AGI
AGI Translations Office
American Geological Institute
2101 Constitution Ave., N. W.
Washington, D.C. 20000

AGS
American Geographical Society
Broadway at 156th Street
New York, New York 10032

AGU
American Geophysical Union
1515 Massachusetts Ave., N.W.
Washington, D.C. 20005

AIAA
American Institute of Aeronautics and Astronautics
500 Fifth Avenue
New York, New York 10036

AIBS
American Institute of Biological Sciences
2000 P Street, N.W.
Washington, D.C. 20006

AIP
American Institute of Physics
335 East 45th Street
New York, New York 10017

AIS
Argus Information Service
624 N. Eutaw Street
Baltimore, Maryland 21201

AM
Acta Metallurgica
122 East 55th Street
New York, New York 10022

AMS
American Mathematical Society
190 Hope Street
Providence, Rhode Island 02906

ANSP
Academy of Natural Sciences of Philadelphia
19th St. and the Parkway
Philadelphia, Pennsylvania 19103

API
Academic Press, Inc.
111 Fifth Ave.,
New York, New York 10003

ARS
American Rocket Society, Inc.
20th and Northampton Streets
Easton, Pennsylvania 18042

ATS
Associated Technical Services, Inc.
P. O. Box 271
East Orange, New Jersey 07017

BGIRA
British Glass Industry Research Association
Northumberland Road
Sheffield 10, England

BIHR
Circulation Manager
Translations of the Beltone Institute for Hearing Research
2900 West 36th Street
Chicago, Illinois 60632

BISI
British Iron & Steel Industry Translation Service
The Iron and Steel Institute
4, Grosvenor Gardens
London, S.W. 1, England

BWRA
British Welding Research Association
Abington Hall, Abington
Cambridge, England

CB
Consultants Bureau Enterprises Inc.
227 West 17th Street
New York, New York 10011

CCT
Consultants Custom Translations Inc.
227 West 17th Street
New York, New York 10011

CHP
Cleaver-Hume Press, Ltd.
31, Wright's Lane
London, W. 8, England

CID
Centro de Informacion y Documentacion
Patronato Juan de la Cierva,
Serrano 150, Apartado 743,
Madrid 6, Spain

CIDNT
Centralny Instytut Dokumentacji Naukowo-Technicznej
Warszawa 12
Aleja Niepodleglosci 188
Poland

CNP
Comitato Nazionale per la Produttivita
Service d'Information
Viale Regina Margherita N. 83D
Rome, Italy

CNRS
Centre National de la Recherche Scientifique
Centre de Documentation
15 Quai Anatole France
Paris 7, France

CSIRO
Commonwealth Scientific and Industrial Research Organization
Information Service
314 Albert Street
East Melbourne C. 2, Victoria
Australia

CTRA
The Librarian
The Coal Tar Research Association
Oxford Road
Gomersal, Leeds, England

CTS (Chem)
Chemical Translating Service
2243 Greer Road
Palo Alto, California 94300

CTT
Columbia Technical Translations
5 Vermont Avenue
White Plains, New York 10600

DI
Circulation Unit
Department of the Interior
Central Library
Room 1149
Washington, D.C. 20240

DTC
Danish Translations Centre,
c/o Library of the Danish Atomic Energy Commission,
Riso. Roskilde, Denmark

EIS
Engineering Information Services
Kirkham, Preston, Lancashire,
England

ES
Erica Stux
584 Moreley Avenue
Akron, Ohio 44320

ETC
European Translations Centre
Coelenstraat 101, Delft,
The Netherlands

FASEB
Federation of American Societies for Experimental Biology
9650 Wisconsin Avenue
Washington, D.C. 20014

FRI
Fulmer Research Institute, Ltd.
Stoke Poges,
Buckinghamshire,
England

FT
Faraday Translations
15 Park Row
New York, New York 10038

GB
Gordon and Breach
Publishers, Inc.
150 Fifth Avenue
New York, New York 10011

GPO
Superintendent of Documents
Government Printing Office
Washington, D.C. 20402

GPRC
Geophysical & Polar Research Center
6021 S. Highland Road
Madison, Wisconsin 53706

HB
Henry Brutcher
P.O. Box 157
Altadena, California 91001

HMSO
Her Majesty's Stationery Office
P. O. Box 569
London, S.E. 1, England

HTCBN
Hungarian Trading Company for Books and Newspapers "Kultura"
Budapest 62, P.O. Box 149

ICE
International Chemical Engineering
345 East 47th Street
New York, New York 10017

IEEE
Institute of Electrical & Electronics Engineers
275 Madison Avenue
New York, New York 10016

INFOSERV
Infoserv
P. O. Box 217
West Hartford, Conn. 06097

INT
International Patent Service N.V.
P. O. Box 101
's-Hertogenbosch,
The Netherlands

IP
Interscience Publishers, Inc.
250 Fifth Avenue
New York, New York 10001

IPST
Israel Program for Scientific Translation
14 Shammai Street
P.O. Box 7145
Jerusalem, Israel

ISA
Instrument Society of America
530 William Penn Place
Pittsburgh, Pennsylvania 15219

K-H
Kresge-Hooker Science Library Associates
Wayne State University
Detroit, Michigan 48202

LAND-AIR
Land-Air. Inc.
Pacific Missile Range
Point Mugu, California 95468

LC
Photoduplication Service
Publication Board Project
Library of Congress
Washington, D.C. 20540

LSA
Literature Service Associates
Route 1
Bound Brook, New Jersey 08805

MACL
Maclaren and Sons, Ltd.
Maclaren House
131 Great Suffolk Street
London, S.E. 1, England

MACM
Macmillan Co.
60 Fifth Avenue
New York, New York 10011

MDF
Morris D. Friedman
7553 Waterford Drive
San Jose, California 95129

MT
M. de O. Tollemache
Pennyford Cottage,
Burrington,
Umberleigh, Devon, England

MUL
Mulholland Engineering Translations
26 Burton Woods Lane
Cincinnati, Ohio 45229

NASA
National Aeronautics and Space Administration
1520 H Street, N.W.
Washington, D.C. 20546

NRCC
National Research Council Library
Ottawa 2, Canada

OB
Oliver & Boyd, Ltd.
Tweeddale Court
14 High Street
Edinburgh 1, Scotland

OSA
Optical Society of America, Inc.
33 University Road
Cambridge, Massachusetts 02138

OTS
Office of Technical Services
Department of Commerce
Washington, D.C. 20230
(Also available through Department of Commerce Field Offices)

PERA
The Information Manager
Production Engineering Research Association
Melton Mowbray
Leicestershire, England

PLP
Plenum Press, Inc.
227 West 17th Street
New York, New York 10011

PP
Pergamon Press
122 East 55th Street
New York, New York 10022

PS
Primary Sources
11 Bleecker Street
New York, New York 10012

RIA
Research International Associates
1522 Connecticut Avenue, N.W.
Washington, D.C. 20006

RIS
Research Information Service
Div. of Maxwell Scientific International, Inc.
122 East 55th Street
New York, New York 10022

RIS
Research Information Service
Div. of Pergamon International Corp.
122 East 55th Street
New York, New York 10022

SA
Seizaburo Aoki
1069 Minami Nakadori 2-chome
Fujisawa, Japan

SIAM
Business Manager
SIAM Publications
Box 7541
Philadelphia, Pennsylvania 19100

SIC
Scientific Information Consultants Limited
661 Finchley Road
London N. W. 2, England

SLA
SLA Translations Center
The John Crerar Library
35 West 33rd Street
Chicago, Illinois 60616

ST
Scripta Technica, Inc.
1000 Vermont Avenue, N.W
Washington, D.C. 20005

STS
Scientific Translation Service
1938 Verdugo Knolls Drive
Glendale, California 91200

STT
SCIENTECH, Scientific & Technical Translations
P. O. Box 3530
Cleveland, Ohio 44118

TF
Taylor and Francis Ltd.
Red Lion Court, Fleet Street
London, E. C. 4, England

TDL
Mr. John Wiley
Technical Development Laboratories
P. O. Box 769
Savannah, Georgia 31400

TIB
Technische Informationsbibliothek
Am Welfengarten 1,
Hannover, West Germany

TIC
Technical Information Company
Patents Department
Chancery House
Chancery Lane
London, W.C. 2, England

TTIS
Translation & Technical Information Services
32 Manaton Road
London, S. E. 15, England

WBI
Warren Birkenhead, Inc.
901 Northern Life Tower
Seattle, Washington 98101
or
No. 25, 2-Chome, Shiba Hamamatsu-Cho
Minato-Ku, Tokyo, Japan

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Pittsburgh, Pennsylvania 15213

Georgia Institute of Technology
Price Gilbert Library
Atlanta, Georgia 30300

MIT Libraries
Technical Reports, Room 14-E210
Massachusetts Institute of Technology
Cambridge, Massachusetts 02139

The Pennsylvania State University
University Park, Pennsylvania 16801

University of California
Engineering Library
Los Angeles, California 90000

University of Utah
University of Utah Library
Salt Lake City, Utah 84100

Library of Congress
Washington, D.C. 20540

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Volume 12, Number 2 | Pages 47 - 120 | July 30, 1964

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NO. 50. 8 May 64, 15p JPRS: 24530.
Order from OTS $0.50 TT-64-31234

Trans. of selected abstracts from Referativnyi Zhurnal. Geogr[afiya] (USSR) 1964, no. 2; Referativnyi Zhurnal. Geol[ogiya] (USSR) 1964, no. 3.

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS
NO. 51. 11 May 64, 12p JPRS: 24538.
Order from OTS $0.50 TT-64-31236

Trans. of selected abstracts from Referativnyi Zhurnal. Khimiya (USSR) 1963, nos. 23-24.

COMMUNIST CHINESE SCIENTIFIC ABSTRACTS
NO. 52. 12 May 64, 9p JPRS: 24555.
Order from OTS $0.50 TT-64-31243

Trans. of selected abstracts from Referativnyi Zhurnal. Mekhanika (USSR) 1964, nos. 1-2.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: BIOLOGY AND MEDICINE NO. 59. 5 May 64, 22p JPRS: 24469.
Order from OTS $0.75 TT-64-31201

Consists of abstracts of articles from selected scientific and technical journals of Hungary and Rumania.

EAST EUROPEAN SCIENTIFIC ABSTRACTS: CHEMISTRY NO. 26. 5 May 64, 7p JPRS: 24470.
Order from OTS $0.50 TT-64-31202

Abstracts trans. of Magyar Kemiai Folyoirat (Hungary) 1964, v. 70, no. 3, p. 97-142.

NLL TRANSLATIONS BULLETIN, 1964, VOL. 6, NO. 3, P. 213-313. Mar 64, 1v.
Order from HMSO $0.77, $9.86/year

This bulletin includes translations available for purchase or on loan from N. L. L., listing of serially published translations from Russian and 6 articles from Oct-Nov 1963 issues of Russian journals.

Separate entries have been prepared for the 6 articles.

NLL TRANSLATIONS BULLETIN, 1964, VOL. 6, NO. 4, P. 315-419. Apr 64, 1v.
Order from HMSO $0.77, $9.86/year

This bulletin includes books received from the USSR, translations of articles and Russian books available on loan from N. L. L., and 5 articles from Aug-Nov 63 issues of Russian journals.

Separate entries have been prepared for the 5 articles.

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[AGRICULTURAL SCIENCE]: SELECTED ARTICLES
M. Radziwill and K. Whitehead, trs. 1964, 88p 106refs PL-480 Agr.
Order from OTS $0.75 TT-60-21575

Trans. of 5 selected articles from 1955-59 issues of 4 Polish journals.

Separate entries have been prepared for each article.

NEW FERTILIZER SPREADER. 30 Apr 64, 2p JPRS: 24433 (p. 46-47).
Order from OTS $1.50 in TT-64-31189 (p. 46-47)

Trans. of Kolkhozno-Sovkhoznoe Proizvodstvo RSFSR, 1964, no. 2, p. 26.

USSR INDUSTRIAL DEVELOPMENT: SOVIET TRACTORS AND AGRICULTURAL MACHINERY NO. 124. 30 Apr 64, 53p JPRS: 24433.
Order from OTS $1.50 TT-64-31189

Trans. of 127 selected articles, short articles, news items, and excerpts from Jan-Apr 64 issues of various Russian journals and newspapers.

A separate entry has been prepared for 1 article.

Ch'en, K'o.
RADIO ELECTRONICS AND AGRICULTURAL SCIENCE. 27 Apr 64, 6p JPRS: 24350 (p. 66-71).
Order from OTS $2.00 in TT-64-31157 (p. 66-71)

Trans. of Wu Hsien Tien (Chinese People's Republic) 1964, no. 3, p. 1-2.

Lepigre, A. L.
DISINFECTION UNDER PARTIAL VACUUM. [1963] 26p (figs omitted)
Order from SLA $2.60 TT-64-10767

Trans. of mono. (report) on the researches undertaken at the Algiers Insectarium, n.d.

Nachkov, Georgi.
TEN YEARS OF THE INSTITUTE OF HYDROTECHNOLOGY AND MELIORATION. 12 May 64, 3p JPRS: 24563.
Order from OTS $0.50 TT-64-31246

Trans. of Khidrotekhnika i Melioratsii (Bulgaria) 1964, v. 9, no. 1, p. 1-2.

Andreev, Pavel Nikolaevich.
INFECTIOUS ENCEPHALOMYELITIS OF PIGS (IEM, TESHEN'S DISEASE, INFECTIOUS PARALYSIS) (Infektsionnyi Entsefalomielit Svinei (IEM, Bolezn' Teshena, Zaraznyi Paralich)) H. H., tr. 7 Feb 64, 9p I-3153 B.
Order from OTS $0.50 TT-64-11624

Trans. of mono. Infektsionnye Bolezni Svinei [4 ed] Baku, 1961, p. 510-541.

Baiburtsyan, A. A.
A NEW METHOD OF INCREASING LIVESTOCK PRODUCTIVITY: CASTRATION WITH HORMONAL INTEGRITY
A. Birron and Z. S. Cole, trs. 1964, 104p PL-480 Agr.
Order from OTS $1.00 TT-64-11009

Trans. of mono. Novyi Metod Povysheniya Produktivnosti Skota, Moscow, 1961 [150p].

Hergott, Joseph.
CONTRIBUTION TO THE HOUSING AND FEEDING OF EXPERIMENTAL ANIMALS, ESPECIALLY RABBITS. [1964] 6p (figs omitted)
Order from SLA $1.10 TT-64-14721

Trans. of Z[eit]schr[ift für] Versuchstier-K[unde] (East Germany) 1963, v. 3, p. 34-40.

Hsu, Kuo-hsuan and Hou, Chuan-ch'ing.
DEVELOPMENT OF AGRICULTURE, FORESTRY ANIMAL HUSBANDRY, SUBSIDIARY PRODUCTION, AND FISHERY IN CHINA'S NATURAL REGIONS. 13 May 64, 8p 17refs JPRS: 24593 (p. 90-97).
Order from OTS $3.00 in TT-64-31257 (p. 90-97)

Trans. of K'o Hsüeh T'ung Pao (Chinese People's Republic) 1964, no. 2, p. 146-149.

Kielisz, Lucjan and Skulmowski, Jozef.
INFLUENCE OF LONG FEEDING OF RATIONS ON THE CAPABILITY OF RUMINANTS TO ASSIMILATE IT (Wplyw Dlugotrwalego Stosowania Dawki Pokarmowej na Zdolnosc Wykorzystywania Paszy u Przezuwaczy)
K. Whitehead, tr. 1964, 7p 23refs PL-480 Agr.
Order from OTS $0.75 in TT-60-21575 (p. 66-72)

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Pankov, V. A. and Babicheva, A. T.
OUTBREAK OF ECTROMELIA IN RABBITS (Enzootiya Ektromelii u Krolikov)
L. Venters, tr. Jun 63 [5p]
Order from OTS, SLA, or ETC $1.10 AEC-tr-5849

Trans. of Krolikovodstvo i Zverovodstvo (USSR) 1962 [v. 5] no. 7, p. 25-27.

Woernle, H.
ON THE DIAGNOSIS OF INFECTIOUS BRONCHITIS OF THE HEN (Zue Diagnose der Infektiosen Bronchitis der Hühner). [1963] [15p] (figs omitted)
Order from SLA $1.60 TT-64-10805

Trans. of Zentralblatt für Veterinärmedizin (Germany) 1960, v. 7, p. 215-221

Plant Cultivation

THE EFFECT OF RADIOACTIVE FALLOUT ON SOILS AND PLANTS. 31 Mar 64, 54p JPRS: 23957.
Order from OTS $1.50 TT-64-21951

Trans. of mono. Radioaktivnoe Zagryaznenie Pochvy i Rastenii (Radioactive Contamination of Soils and Plants) Moscow, 1963, p. 2-25, 88-111.

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FIELD EXPERIMENT WITH "401" GERMICIDE CONDUCTED SUCCESSFULLY. 13 May 64, 3p
JPRS: 24593 (p. 7-9).
Order from OTS $3.00 in TT-64-31257 (p. 7-9)

Trans. from Kuang Ming Jih Pao (Chinese People's Republic) 1964, 5 Apr, p. 3.

Dostal, Jan.
TRANSPLANTER WITH AN APPARATUS FOR CUTTING-OFF THE TAP-ROOT OF SMALL TREES
L. H., tr. 31 Mar 64, 3p (figs omitted)
Order from OTS, SLA, or ETC $1.10 TT-64-15356

Trans. of Czechoslovakian patent no. 42,340, cl. 45c, appl. 2 Apr 30, protected from 15 Sep 32, pub. 10 Jan 33.

Gernik, V.
POWERFUL GRAMS: NRV (PETROLEUM GROWTH STIMULANT) (Moguchie Grammy). 6 Feb 64, 6p (figs omitted) Trans. A-1426.
Order from OTS, SLA, or ETC $1.10 TT-64-13640

Trans. of Nauka i Zhizn' (USSR) 1963 [v. 30] no. 10, p. 24-27.

Kalashnik, N. S.
CYTOPLASMIC MALE STERILITY IN THE SELECTION AND BREEDING OF SORGHUM (Tsitoplazmaticheskaya Muzhskaya Steril'nost' v Selektsii i Semenovodstve Sorgo). 21 Jan 64, 7p (4figs omitted) Trans. A-1420.
Order from OTS, SLA, or ETC $1.10 TT-64-13571

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Krzysztalowska, Helena.
INVESTIGATIONS INTO THE RUST RESISTANCE OF DIFFERENT FLAX VARIETIES (MELAMPSORA LINI (PERS) LEV) PTS. I-II (Badania Odpornosci Roznych Odmian Inu na Rdze Melampsora Lini (Pers) Lev)
M. Rojowska, tr. 1964, 36p 41refs PL-480 Agr.
Order from OTS $0.50 TT-61-11392

Trans. of Instytut Przemyslu Wlokien Lykowych. Prace (Poland) 1958, v. 6, p. 27-43; 1962, v. 9, p. 11-20.

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CERTAIN CONCEPTS IN THE STUDY OF FERTILIZERS (Nekotorye Soobrazheniya o Putyakh Izucheniya Udobrenii). 12 May 64, 19p 12refs Trans. A-1446.
Order from OTS, SLA, or ETC $1.60 TT-64-15414

Trans. of Agrobiologiya (USSR) 1962, no. 5(137) p. 756-768.

Gorshenin, K. P.
THE SUBJECT MATTER OF STUDIES OF SOIL AND GEOGRAPHY. 6 May 64, 7p JPRS: 24488.
Order from OTS $0.50 TT-64-31211

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COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY: [SELECTED] TRANSLATIONS NO. 77. 10 Apr 64, 29p JPRS: 24140.
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Contains summaries and abstracts of articles in Soviet, Eastern European, and other publications concerning current scientific and technical conferences in Soviet Bloc countries.

NEW DEPARTMENTS OF THE USSR ACADEMY OF SCIENCES IN OPERATION. 7 May 64, 4p JPRS: 24508.
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Consists of 8 articles from 1964 issues of various Communist Chinese journals.

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Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 4 (p. 315-323)

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Trans. of #Zavod[skaya] Lab[oratoriya] (USSR) 1962, v. 28, n. 1, p. 112.

Saint Gobain.
INTRODUCTION TO THE COMPLICATION OF TESTING METHODS. [1964] 14p
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DEFICIENCIES IN PLANNING SCIENTIFIC RESEARCH WORK. 6 May 64, 3p JPRS: 24497.
Order from OTS $0.50 TT-64-31218

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MINISTRIES AND STATE COMMITTEES OF THE GOVERNMENT OF THE USSR: REVIEW ARTICLE. 26 Aug 63 [28p] AID Rept. 63-109.
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USSR INDUSTRIAL DEVELOPMENT: SOVIET REGIONAL ECONOMY NO. 111. 6 May 64, 23p JPRS: 24500. .
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Ignatov, A. I., Spirkin, A. G., and Sazonov, B. V.
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Trans. from Voprosy Filosofii (USSR) 1964 [v. 18] no. 1.

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PROBLEMS OF TECHNICAL PROGRESS K. Leski, tr. 1964 [172p] PL-480 Comm.
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Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 4 (p. 330-337)

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Trans. of Nauchno-Tekhnicheskaya Informatsiya (USSR) 1963, no. 8, p. 3-5.
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MECHANIZATION AND AUTOMATION OF INFORMATION WORK. Apr 64, 6p
Order from HMSO $0.77, $9.86/year in NLL Translations Bulletin, 1964, v. 6, no. 4 (p. 324-329)

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Another trans. is available from OTS $0.50 as TT-64-21541, JPRS-23188, 11 Feb 64, 6p.

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BR-SOV/6543
Vinogradova, Irina Ernestovna
OIL ADDITIVES FOR REDUCING FRICTION AND WEAR (Prisadki k maslam dlya snizheniya treniya i iznosa) Moscow, Gostoptekhizdat, 1963. 110p. Errata slip inserted. 3190 copies printed.

BR-CHICOM/6546
T'eng Chih-pin
PRACTICAL HANDBOOK ON MATERIALS (Shih Yung Ts'ai Liao Shou Ts'e) Peking, Chung Kuo Kung Yeh Ch'u Pan She, 1962. 592p. 50,050 copies printed.

BR-SOV/6548
Burmistrov, Yevgeniy Fedorovich
SYMMETRICAL DEFORMATION OF STRUCTURALLY ORTHOTROPIC SHELLS OF REVOLUTION (Simmetrichnaya deformatsiya konstruktivno-ortotropnykh obolochek vrashcheniya). [Saratov] Izd-vo Saratovskogo universiteta, 1962. 107p. Errata slip inserted. 2000 copies printed.

BR-SOV/6550
Gorodetskiy, A. A., and V. A. Baraboy
ANTIRADIATION PROPERTIES OF GALLATES; AN EXPERIMENTAL STUDY (Protivoluchevyye svoystva gallatov; eksperimental'noye issledovaniye) Kiev, Izd-vo AN USSR, 1963. 125p. 2000 copies printed.

BR-SOV/6562
Sredniy, Ivan Yevtikhiyevich
STEADY-STATE MODES IN LINEAR AND NONLINEAR NETWORKS; IMPULSE ANALYSIS (Statsionarnyye rezhimy v lineynykh i nelineynykh tsepyakh; impul'snyy analiz) Kiev, Gostekhizdat USSR, 1963. 167p. 3000 copies printed.

BR-SOV/6564
Golubev, Boris Pavlovich
DOSIMETRY AND PROTECTION FROM IONIZING RADIATION (Dozimetriya i zashchita ot ioniziruyushchikh izlucheniy) Moscow, Gosenergoizdat, 1963. 335p. 5600 copies printed.

BR-SOV/6568
Bresler, Semen Yefimovich
INTRODUCTION TO MOLECULAR BIOLOGY (Vvedeniye v molekulyarnuyu biologiyu) Moscow, Izd-vo AN SSSR, 1963. 519p. Errata slip inserted. 7500 copies printed.

BR-SOV/6570
Ogibalov, Petr Matveyevich
PROBLEMS IN DYNAMICS AND STABILITY OF SHELLS (Voprosy dinamiki i ustoychivosti obolochek) [Moscow] Izd-vo Mosk. univ., 1963. 416p. 6000 copies printed.

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". . . within which no point of the subset F_j of the system $[F_i(\Phi)]$ containing the point $^{\circ}\Phi_i$ falls."

JPRS: 23,900

BULLETIN OF TECHNICAL AND ECONOMIC INFORMATION

(BYULLETEN' TEKHNIKO-EKONOMICHESKOI INFORMATSII)

1963, NO. 12

USSR Industrial Development

SOVIET METALWORKING EQUIPMENT

No 95

This serial publication contains translations of selected articles on metalworking equipment in the Soviet Union on the specific subjects indicated in the table of contents. Complete bibliographic information accompanies each article.

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No. 74

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(VESTNIK SVYAZI)
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No 11 (284) November 1963
(Twenty Third Year of Publication)

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Following is a cover-to-cover translation of the Russian-language periodical Vestnik svyazi (Herald of Communications), Vol XXIV, No 1, published by the Ministry of Communications USSR and the Central Committee of the Communications, Motor Transport and Highway Workers Trade Union, January 1964, Moscow.

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Instruments and Experimental Techniques

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1963, No. 1, pp. 1-194 October, 1963

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Measurement Techniques

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Measurement Techniques

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1963, No. 10, pp. 805-892 March, 1964

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MINISTRY OF HIGHER AND SECONDARY SPECIALIZED EDUCATION

USSR

RADIO ENGINEERING SERIES

Vol VI, No 6, 1963

[Following is a translation of the Russian-language Journal Izvestiya Vysshikh Uchebnykh Zavedeniy MViSSO SSSR po razdelu Radiotekhnika, Vol VI, No 6, 1963, (English version above), Nov-Dec issue, Kiev, pp 587-717.]

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(VOPROSY PSIKHOLOGII)

1963, VOL. 9, NO. 6

STUDIES IN PSYCHOLOGY

- USSR -

Following is a translation of six articles in the Russian-language periodical Voprosy psikhologii (Problems of Psychology), No 6, Moscow, November-December 1963, pages 3-75. Complete bibliographic information accompanies each article.

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RADICACTIVE CONTAMINATION OF SOILS AND PLANTS

(RADIOAKTIVNOE ZAGRYAZNENIE POCHVY I RASTENII)

MOSCOW, 1963

JPRS: 23,957

THE EFFECT OF RADIOACTIVE FALLOUT ON SOILS AND PLANTS

- USSR -

/Following is the translation of excerpts from the Russian-language publication Radioaktivnoye Zagryazneniye Pochvy i Rasteniy (Radioactive Contamination of Soils and Plants) Moscow, Academy of Sciences USSR, authored by R. M. Aleksakhin, 1963. Specific page numbers are indicated on each excerpt./

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No.5 SEPTEMBER - OCTOBER 1963

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SCIENTIA

(K'O HSUEH T'UNG PAO)

1964, NO. 1

TRANSLATIONS ON COMMUNIST CHINA'S SCIENCE AND TECHNOLOGY

No. 77

This serial publication contains summaries or translations (as indicated) of selected articles on Communist China's science and technology, on the specific subjects reflected in the table of contents. Complete bibliographic information accompanies each article.

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Soviet Physics

DOKLADY

A Translation of the Physics Sections of the Proceedings of the USSR Academy of Sciences

(Russian Original Vol. 151, Nos. 4-6, August, 1963)

Vol. 8, No. 8, pp. 747-866 **February, 1964**

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SERVE THE BUSINESS COMMUNITY

The Department of Commerce maintains Field Offices to enable the business community to avail itself locally of Government facilities designed to promote commerce. Working closely with various units in the Department and, when necessary, with other Government agencies, the Field Offices provide business services to manufacturers, wholesalers, retailers, trade publications, trade associations, advertising agencies, research groups, financial institutions, and exporters and importers.

Experienced personnel will gladly assist in the solution of specific problems, explain the scope and meaning of regulations administered by the Department, and provide practical assistance in the broad field of domestic and foreign commerce. Field Offices act as official sales agents of the Superintendent of Documents, and maintain an extensive business reference library containing periodicals, directories, publications and reports from official as well as private sources.

Among the many services which businessmen have found of value are:

GENERAL

- Management and business aids
- Establishing a new business

BASIC ECONOMIC DATA

- Census data with national and often State and regional breakdowns, on manufacturing wholesaling, retailing, service industries, employment and unemployment, population, housing, agriculture
- Basic records of national income and product, regional trends, balance of payments, foreign aid

MARKETING AND DISTRIBUTION

- Development and maintenance of markets
- Distribution channels, facilities and services
- Marketing and distribution statistics

PRODUCTION

- Modernization of plant processes and other technological aids
- Development of new products
- Government-owned patents for free license
- Commodity standards

FOREIGN TRADE AND INVESTMENT

- Tariff and exchange regulations
- Import and export quotas, licensing regulations
- Statistics on imports and exports
- Investment and trade opportunities abroad
- Economic conditions in foreign countries

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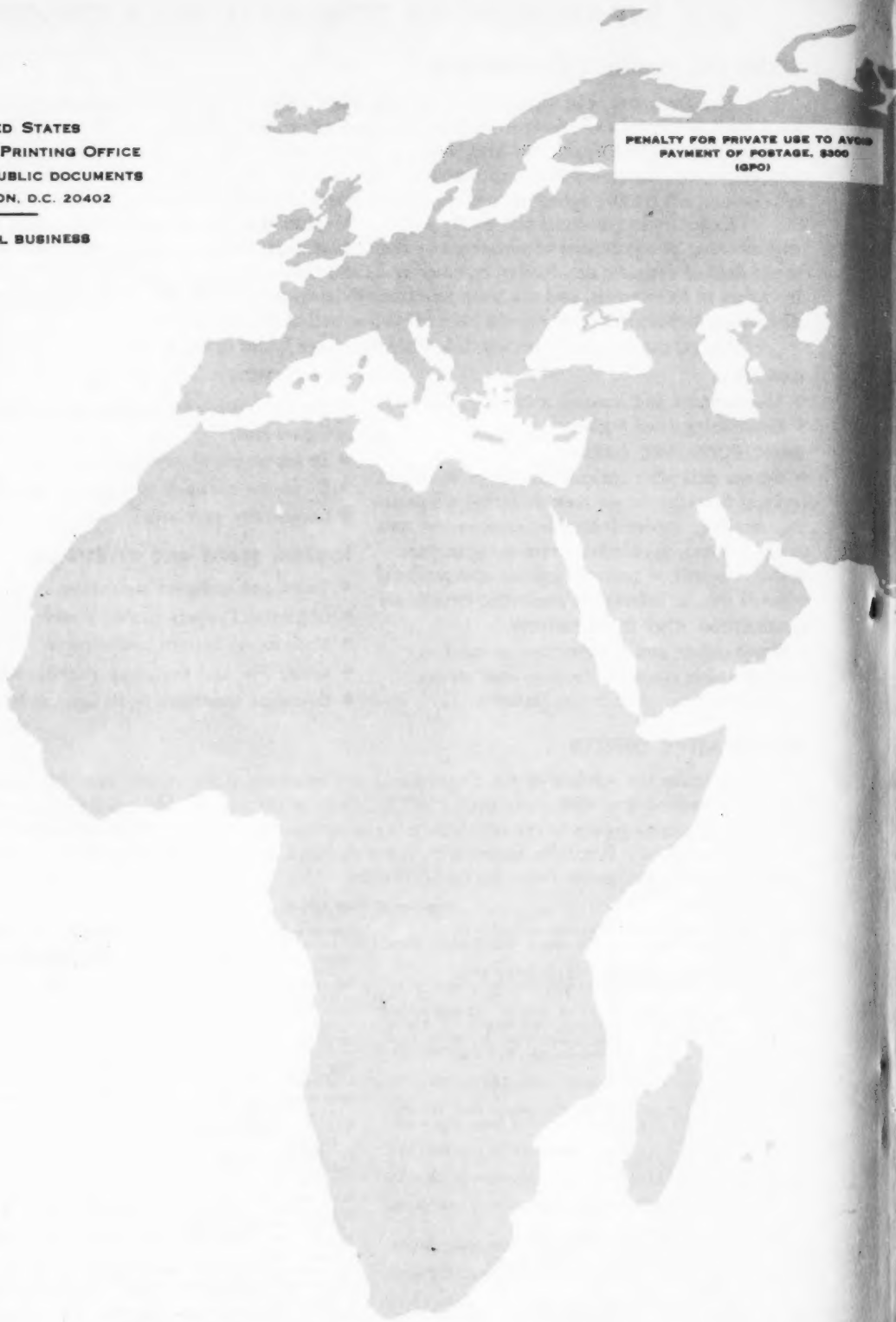

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